

Abstract

5 In operation of an internal combustion engine, an air filling (α) in a combustion chamber is ascertained, taking into account a pressure (p_s) in an intake conduit. It is proposed that the air filling (α) be ascertained on the basis of a model (A), which as its input variables receives an rpm (n_{mot}) of a crankshaft and a ratio of the pressure (p_s) in the intake conduit (22) to an ambient pressure (p_u). (Fig. 2)